

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

PUBLICATION NUMBER : 55037540
PUBLICATION DATE : 15-03-80

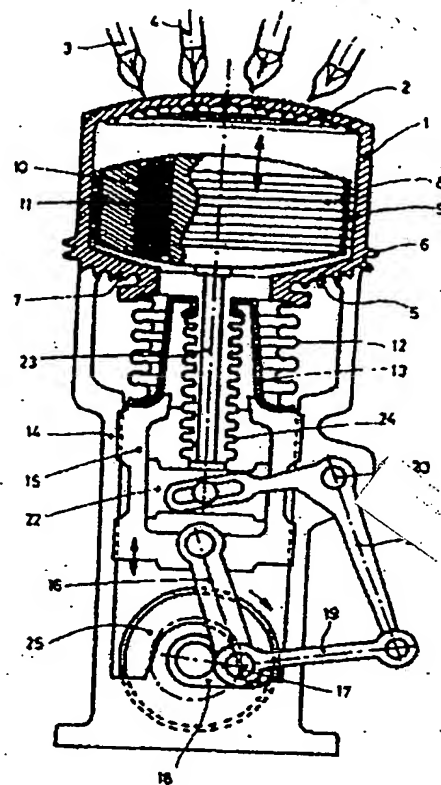
APPLICATION DATE : 09-09-78
APPLICATION NUMBER : 53110225

APPLICANT : ISSHIKI NAOJI;

INVENTOR : ISSHIKI SEITA;

INT.CL. : F02G 1/044

TITLE : AIRTIGHT STIRLING ENGINE



ABSTRACT : PURPOSE: To improve an airtightness and the power by providing a durable wall for the revolving shaft and the communicating part with the power piston of Stirling engine to replace with a flexible material such as rubber.

CONSTITUTION: A displacer piston 8 is provided within the displacer cylinder 1 having a burner 3 on the upper part, cooling fins on the lower part. Besides, the lower part of cylinder 1 is provided with the main bellows 12 made of the flexible material joined with the cross head guided by the frame 14, in which the cap shape main bellows cover 13 is provided, thereby a conventional power piston is defined. Moreover, the airtight bellows 24 with a durable wall is provided between the cover 13 and the piston rod 23 to permit the inner piston to make an airtight condition. Thereby, the piston rod 23 is connected with the crank 18 by means of the cross head 15 and the connection rod 16.

COPYRIGHT: (C) JPO